## PRODUCT INFORMATION

## Expression system

Baculovirus

## Domain

23-226aa

## UniProt No.

Q9NQ25

## NCBI Accession No.

NP_067004

## Alternative Names

SLAMF7, CD2 subset 1, CD2-like receptor-activating cytotoxic cells, CRACC, CS1, CD319, Membrane protein FOAP-12, Novel Ly9, Protein 19A

## PRODUCT SPECIFICATION

## Molecular Weight

23.4 kDa (212aa)

## Concentration

$0.5 \mathrm{mg} / \mathrm{ml}$ (determined by absorbance at 280nm)

## Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10\% glycerol

## Purity

> 95\% by SDS-PAGE

## Endotoxin level

$<1$ EU per lug of protein (determined by LAL method)

## Tag

His-Tag

## Application

SDS-PAGE

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20 C to -80 C . Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

SLAMF7, also known as SLAM family member 7, is a single-pass type 1 membrane protein and a member of the CS2 family of cell surface receptors. Isoform 1 of this protein mediates NK cell activation through a SH2D1Aindependent extracellular signal-regulated ERK-mediated pathway. It may play a role in lymphocyte adhesion.

SLAMF7 can exert activating of inhibitory influences on cells of the immune system depending on cellular context and the availability of effector proteins. Recombinant human SLAMF7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

SGPVKELVGS VGGAVTFPLK SKVKQVDSIV WTFNTTPLVT IQPEGGTIIV TQNRNRERVD FPDGGYSLKL SKLKKNDSGI YYVGIYSSSL QQPSTQEYVL HVYEHLSKPK VTMGLQSNKN GTCVTNLTCC MEHGEEDVIY TWKALGQAAN ESHNGSILPI SWRWGESDMT FICVARNPVS RNFSSPILAR KLCEGAADDP DSSM<LEHHHH HH>

## General References

Kim JR et al., (2013) Inflamm. Res. 62(8):765-772.
Kramer B et al., (2013) Infect. Immun. 81(3):690-696.

## DATA

## SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

